**Genetics Vocabulary Terms**

**Cell**  The smallest unit of life

**Nucleus**  The part of the cell where DNA is stored

**Chromosome**  A tightly coiled bundle of DNA

**DNA**  A molecule containing all the instructions for life

**Gene**  One section of DNA that contains instructions for some trait

**Trait**  A characteristic or feature determined by genes.

**Allele** The different forms of a gene

**Dominant**  Alleles that cover up any others

**Recessive** Alleles that can be covered up

**Homozygous** Two of the same alleles

**Heterozygous** Two different alleles

**Genotype** The genes that determine an organisms' traits

**Phenotype**  The appearance of an organism or trait

**Artificial Selection** When people select for desired traits by choosing which organisms reproduce

**Genetic Engineering** When people change genes/DNA to get desired traits in organisms